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INDEX TO AMERICAN BOTANICAL LITERATURE (1906)

The aim of this Index is to include all current botanical literature written by Americans, published in America, or based upon American material; the word America being used in its broadest sense.

Reviews, and papers which relate exclusively to forestry, agriculture, horticulture, manufactured products of vegetable origin, or laboratory methods are not included, and no attempt is made to index the literature of bacteriology. An occasional exception is made in favor of some paper appearing in an American periodical which is devoted wholly to botany. Reprints are not mentioned unless they differ from the original in some important particular. If users of the Index will call the attention of the editor to errors or omissions their kindness will be appreciated.

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Abrams, L. R. Two new southwestern species of *Pentstemon*. Bull. Torrey Club 33: 445, 446. 30 Au 1906.

Arthur, J. C. Eine auf die Struktur und Entwicklungsgeschichte begründete Klassifikation der Uredineen. Result. Sci. Congr. Internat. Bot. Wien 331-348. 1906.

Includes diagnoses of 16 new genera.

Arthur, J. C. & Kern, F. D. North American species of *Peridermium*. Bull. Torrey Club 33: 403-438. 30 Au 1906.

Thirty species are recognized, of which 10 are described as new.

Bay, J. C. Contributions to the theory and history of botanical bibliography. Bibl. Soc. Am. Proc. 1: 75-83. Ap 1906.

Berry, E. W. Living and fossil species of *Comptonia*. Am. Nat. 40: 485-520. pl. 1-4. 11 Jl 1906.

Blanchard, W. H. Two new and somewhat anomalous blackberries. Torrey 6: 117-120. 20 Je 1906.

Rubus permixtus sp. nov. and *R. frondisantis* sp. nov.

Blanchard, W. H. Two new dewberries of the *Hispidus* group. Torrey 6: 147-149. 25 Jl 1906.

Rubus jacens sp. nov. and *R. cubitans* sp. nov.

Britton, E. G. Notes on nomenclature VI. Bryologist 9: 37-40. 3 My 1906. [Illust.]

Britton, N. L. *Galactia Odonia* Griseb. Torrey 6: 149. 25 Jl 1906.

- Buchenau, F.** *Juncaceae*. Das Pflanzenreich 4³⁶: 1-284. *f.* 1-121. 15 My 1906.
- Campbell, D. H.** Germination of the spores of *Ophioglossum*. Ann. Bot. 20: 321. 31 1906.
- Campbell, D. H.** Multiple chromatophores in *Anthoceros*. Ann. Bot. 20: 321. 31 1906.
- Cockerell, T. D. A.** The fossil fauna and flora of the Florissant (Colorado) shales. Univ. Colo. Stud. 3: 157-176. *f.* 1-7. Je 1906.
- Collins, F. S.** New species, etc., issued in the Phycotheca Boreali-americana. Rhodora 8: 104-113. 28 Je 1906.
- Collins, F. S.** Notes on algae,—VII. Rhodora 8: 122-126. 28 Jl 1906.
- Collins, J. F.** Mounting mosses—some hints. Bryologist 9: 60-63. 2 Jl 1906.
- Collins, J. F.** Preliminary lists of New England plants,—XIX. Rhodora 8: 131-135. 28 Jl 1906.
Buxbaumiaceae, Georgiaceae, Polytrichaceae.
- Cook, M. T.** Tropical epiphytes. Plant World 9: 192-194. *f.* 28. [S] 1906.
- Cushman, J. A.** New England desmids of the sub-family *Saccodermæ*. Bull. Torrey Club 33: 343-351. 20 Jl 1906.
With new species and varieties in *Gonatozygon, Spirotaenia, Mesotaenium*, and *Cylindrocystis*.
- Dalla Torre, K. W. von & Harms, H.** Genera *Siphonogamarum* ad systema Englerianum conscripta. 8: 561-640. 1906.
- Davenport, E. B.** The apetalous form of *Arenaria groenlandica* on Mt. Mansfield. Rhodora 8: 114. 28 Je 1906.
- Douglas, G. E.** The rate of growth of *Panaeolus retirugis*. Torreyia 6: 157-165. *f.* 1-4. 25 Au 1906.
- Eastwood, A.** The earthquake and the California Academy of Sciences. Torreyia 6: 120-123. 20 Je 1906.
- Farr, E. M.** Some new plants from the Canadian Rockies and Selkirk. Ottawa Nat. 20: 105-111. 15 Au 1906.
New species are described in *Pachystima* (3), *Arnica*, *Hieracium*, *Dryas*, and *Ranunculus*.
- Fernald, M. L.** The identity of *Eriophorum Chamissonis* and *E. russeolum*. Ottawa Nat. 20: 62-65. 4 Je 1906.
- Fernald, M. L.** A new variety of *Carex interior*. Rhodora 8: 114, 115. 28 Je 1906.

- Fernald, M. L.** *Paronychia argyrocoma* and its New England representative. *Rhodora* 8: 101-104. 28 Je 1906.
- Fernald, M. L.** Some new or little known *Cyperaceae* of eastern North America. *Rhodora* 8: 126-130. 28 Jl 1906.
Includes descriptions of new species in *Cyperus* (2) and *Eleocharis*.
- Fink, B.** Further notes on cladonias. VII. *Cladonia subcariosa*, *Cladonia mitrula*, and *Cladonia leptophylla*. *Bryologist* 9: 57-60. pl. 4. 2 Jl 1906.
- Fink, B.** The gynaeocentric theory and the sexes in plants. *Plant World* 9: 179-185. [S] 1906.
- Foslie, M.** Den botaniske samling. K. Norske Vid. Selsk. Aarsb. 1905: — (1-8). 1906.
Includes descriptions of new species in *Phymatolithon* and *Lithophyllum* (3), from the Pacific coast of North America.
- Frye, T. C.** *Nereocystis luetkeana*. *Bot. Gaz.* 42: 143-146. f. 1. 30 Au 1906.
- Ganong, W. F.** The nascent forest of the Miscou beach plain. *Bot. Gaz.* 42: 81-106. f. 1-14. 30 Au 1906.
- Gilbert, B. D.** Two anomalies and a curious sight. *Bryologist* 9: 72. 2 Jl 1906.
- Gleason, H. A.** The pedunculate species of *Trillium*. *Bull. Torrey Club* 33: 387-396. 1 Au 1906.
Two species are described as new.
- Greene, E. L.** Doctor Torrey and *Downingia*. *Torreya* 6: 145-147. 25 Jl 1906.
- Greene, E. L.** Four streptanthoid genera. *Leaflets* 1: 224-228. 8 S 1906.
Disacanthus, *Cartiera*, *Guillenia*, and *Agianthus*, all proposed as new.
- Greene, E. L.** The genus *Batanthes*. *Leaflets* 1: 224. 8 S 1906.
- Greene, E. L.** The genus *Leiostemon*. *Leaflets* 1: 223. 8 S 1906.
- Greene, E. L.** The genus *Ptelea* in the western and southwestern United States and Mexico. *Contr. U. S. Nat. Herb.* 10: i-v. 49-78. i. 16 Jl 1906.
Recognizes 59 species, of which 55 are described as new.
- Greene, E. L.** A new genus of *Rutaceae*. *Leaflets* 1: 222, 223. 8 S 1906.
Taravalia, a segregate from *Ptelea*.
- Greene, E. L.** New western plants. *Leaflets* 1: 221, 222. 8 S 1906.
Descriptions of new species in *Senecio* (3) and *Erigeron*.

- Greene, E. L.** Revision of the genus *Wislizenia*. Proc. Biol. Soc. Wash. **19**: 127-132. 6 S 1906.
Ten species are recognized, of which 7 are described as new.
- Greene, E. L.** Some Canadian antennarias.—III. Ottawa Nat. **20**: 71, 72. 5 Jl 1906.
Includes descriptions of 2 new species in *Antennaria*.
- Greenman, J. M.** Two new species from northwestern America. Bot. Gaz. **42**: 146, 147. 30 Au 1906.
Castilleja purpurascens sp. nov. and *Senecio Farriæ* sp. nov.
- Grout, A. J.** Bryological notes. Bryologist **9**: 42-46. *pl.* 3. 3 My 1906.
Includes a description of *Burnettia fabrofolia* sp. nov.
- Grout, A. J.** "When doctors disagree." Bryologist **9**: 42. 3 My 1906.
- Hackel, E.** Ueber Kleistogamie bei den Gräsern. Oesterr. Bot. Zeits. **56**: 81-88. Mr 1906; 143-154. Ap 1906; 180-186. Je 1906.
- Harper, R. M.** Some more coastal plain plants in the Palaeozoic region of Alabama. Torreyia **6**: 111-117. 20 Je 1906.
- Harris, C. W.** A list of foliaceous and fruticous lichens collected at Chilson Lake, Essex Co., New York. Bryologist **9**: 48-52. 3 My 1906.
- Hasselbring, H.** The appressoria of the anthracnoses. Bot. Gaz. **42**: 135-142. *f.* 1-7. 30 Au 1906.
- Haynes, C. C.** A list of hepatics collected in the vicinity of Little Moose Lake, Adirondack League Club tract, Herkimer Co., New York. Bryologist **9**: 62, 63. 2 Jl 1906.
- Heller, A. A.** Western species, new and old.—V. Muhlenbergia **1**: 132-138. 24 Ap 1906;—VI. Muhlenbergia **1**: 144-147. 30 Jl 1906.
Includes descriptions of new species in *Ribes*, *Trifolium* (2), *Navarretia* and *Anaphalis*.
- Hill, E. J.** Distribution and habits of some common oaks. Bot. Gaz. **42**: 59. 28 Jl 1906.
- Holm, T.** *Eriophorum russeolum* Fr. versus *E. Chamissonis* C. A. Mey. Ottawa Nat. **20**: 62. 4 Je 1906.
- House, H. D.** A new southern *Convolvulus*. Torreyia **6**: 149, 150. 25 Jl 1906.
C. sericatus sp. nov., from Georgia.

- House, H. D.** A new species of *Dichondra*. *Muhlenbergia* 1: 130, 131. 24 Ap 1906.
D. occidentalis, from Southern California and Lower California.
- House, H. D.** Nomenclatorial changes in the *Orchidaceae*. *Muhlenbergia* 1: 127-129. 24 Ap 1906.
- House, H. D.** A note upon *Ipomoea cuneifolia* A. Gray. *Torreyia* 6: 123, 124. 20 Je 1906.
- House, H. D.** Notes on southern violets—I. *Torreyia* 6: 171-173. 25 Au 1906.
Including a description of *Viola redunca* sp. nov.
- House, H. D.** The violets and violet hybrids of the District of Columbia and vicinity. *Rhodora* 8: 117-122. *pl.* 71, 72. 28 Jl 1906.
- Howe, R. H.** *Ramalina rigida* in Massachusetts. *Bryologist* 9: 54. 3 My 1906.
- Howe, R. H.** Some lichens of Mt. Watatic, Massachusetts. *Bryologist* 9: 46-48. 3 My 1906.
- Jeffrey, E. C. & Chrysler, M. A.** On Cretaceous *Pityoxyla*. *Bot. Gaz.* 42: 1-15. *pl.* 1, 2. 28 Jl 1906.
- Jennings, O. E.** Additions and corrections to the list of the vascular flora of Allegheny County, Pa. *Ann. Carnegie Mus.* 3: 473-479. Jl 1906.
- Jennings, O. E.** A new species of *Ibidium* (*Gyrostachys*). *Ann. Carnegie Mus.* 3: 482-486. *pl.* 20. Jl 1906.
I. incurvum, from Pennsylvania.
- Jennings, O. E.** A new species of *Kneiffia*. *Ann. Carnegie Mus.* 3: 480, 481. *pl.* 19. Jl 1906.
K. Sumstinei, from Pennsylvania.
- Jennings, O. E.** A note on the occurrence of *Triglochin palustris* Linnaeus in Pennsylvania. *Ann. Carnegie Mus.* 3: 482. Jl 1906.
- Kellerman, W. A., Gleason, H. A. & Schaffner, J. H.** Spring flora for beginners and amateurs. i-xiii. 1-188. Columbus, Ohio, 1906.
- Kirkwood, J. E.** The pollen-tube in some of the *Cucurbitaceae*. *Bull. Torrey Club* 33: 327-346. *pl.* 16, 17. 20 Jl 1906.
- Knight, O. W.** *Viola Novae-Angliae* in the Penobscot valley. *Rhodora* 8: 115. 28 Je 1906.
- Krasser, F. & Rechinger, K.** Bearbeitung der von Professor von Höhnelt im Jahre 1899 in Brasilien gesammelten Melastomaceen. *Oesterr. Bot. Zeits.* 56: 191-195. Je 1906.
Includes 2 new species in *Leandra*.

- Lawrence, W. H.** Apple scab in eastern Washington. Wash. Agr. Exp. Sta. Bull. 75: 1-14. 1906.
- Lloyd, F. E.** Palo verde: the evergreen tree of the desert. Plant World 9: 165-171. f. 22-25. [Au] 1906.
- Mackenzie, K. K.** Notes on *Carex*—I. Bull. Torrey Club 33: 439-443. 30 Au 1906.
Descriptions of 4 new species.
- Mackenzie, K. K.** *Ranunculus sicaeformis* Mackenzie & Bush, sp. nov. Torrey 6: 123. 20 Je 1906.
- Maxon, W. R.** Report on a collecting trip in Costa Rica. Jour. N. Y. Bot. Gard. 7: 187-193. f. 23, 24. Au 1906.
- Merkel, H. W.** A deadly fungus on the American chestnut. Ann. Rep. N. Y. Zool. Soc. 10: 97-103. Ja 1906. [Illust.]
- Merrill, G. K.** Lichen notes no. 3. "Chemical tests" in determining lichens. Bryologist 9: 66-71. Je 1906.
- Moore, C. L.** The *Myxomycetes* of Pictou County [Nova Scotia]. Bull. Pictou Acad. Sci. Assoc. 1: 11-16. Je 1906.
- Nash, G. V.** The flowering of Queen Victoria's *Agave*. Jour. N. Y. Bot. Gard. 7: 163-167. f. 21, 22. Jl 1906.
- Nelson, A.** Contributions from the Rocky Mountain Herbarium VII. Bot. Gaz. 42: 48-54. 28 Jl 1906.
Includes descriptions of 14 new species in 11 genera.
- Osterhout, G. E.** Colorado notes: descriptions of new species. Muhlenbergia 1: 139-143. 30 Jl 1906.
Eight new species in as many genera.
- Osterhout, W. J. V.** On the importance of physiologically balanced solutions for plants. I. Marine plants. Bot. Gaz. 42: 127-134. 30 Au 1906.
- Peirce, G. J.** *Anthoceros* and its *Nostoc* colonies. Bot. Gaz. 42: 55-59. 28 Jl 1906.
- Piper, C. V.** North American species of *Festuca*. Contr. U. S. Nat. Herb. 10: i-ix. 1-49. pl. 1-15. 30 Mr 1906.
Includes descriptions of 5 new species.
- Porsch, O.** Beiträge zur "histologischen Blütenbiologie." II. Weitere Untersuchungen über Futterhaare. Oesterr. Bot. Zeits. 56: 41-47. F 1906; 88-95. Mr 1906; 135-143. pl. 3. Ap 1906; 176-180. Je 1906.
- Ramaley, F.** Plants of the Florissant region in Colorado. Univ. Colo. Stud. 3: 177-185. Je 1906. [Illust.]

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- Reed, H. S. & Smoot, I.** The mechanism of seed-dispersal in *Polygonum virginianum*. Bull. Torrey Club **33**: 377-386. *f.* 1-7. 1 Au 1906.
- Robinson, B. L.** Studies in the *Eupatorieae*. Proc. Am. Acad. Arts & Sci. **42**: 1-48. 24 My 1906.
With new species in *Piqueria* (4), *Helogyne*, *Alomia*, *Stevia*, *Trichogonia*, and *Eupatorium* (8).
- Rose, J. N.** *Terebinthus Macdougali*, a new shrub from Lower California. Torrey **6**: 169-171. *f.* 5. 25 Au 1906.
- Rusby, H. H.** A historical sketch of the development of botany in New York City. Torrey **6**: 101-111. 20 Je 1906; 133-145. 25 Jl 1906.
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- Rydberg, P. A.** Flora of Colorado. Agr. Exp. Sta. Colo. Bull. 100: i-xxii. 1-448. *map.* [Au] 1906.
- Schiffner, V.** Bemerkungen über *Riccardia major* S. O. Lindb. Oesterr. Bot. Zeits. **56**: 169-174. Je 1906.
- Shantz, H. L.** A study of the vegetation of the Mesa region east of Pike's Peak. I. Structure of the formation. Bot. Gaz. **42**: 16-47. *f.* 1-7. 28 Jl 1906.
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- Shreve, F.** A winter at the tropical station of the Garden. Jour. N. Y. Bot. Gard. **7**: 193-196. Au 1906.
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- Spalding, V. M.** Absorption of atmospheric moisture by desert shrubs. Bull. Torrey Club **33**: 367-375. 1 Au 1906.
- Sprague, T. A.** *Gurania malacophylla*. Curt. Bot. Mag. IV. **2**: *pl.* 8085. 1 Jl 1906.
Native of Brazil.
- Squires, W. A.** The passing of the prairie flora. Plant World **9**: 162-164. [Au] 1906.
- Towle, P. M.** Notes on the life-history of the mniums. Bryologist **9**: 54-56. 3 My 1906.

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- Watts, W. W.** Australian mosses: some locality pictures. Bryologist **9**: 34-36. 3 Mr 1906; 41. 3 My 1906.
- Winton, A. L.** The microscopy of vegetable foods. i-xvi. 1-701. *f.* 1-589. New York, 1906.
- Wright, C. H.** *Rhodostachys pitcairniifolia*. Curt. Bot. Mag. IV. **2**: *pl.* 8087. 1 Au 1906.
Native of Chile.